

[11] Patent Number: 5,637,310

[45] **Date of Patent:** *Jun. 10, 1997

5,032,586	7/1991	Holt et al.	514/177
5,041,433	8/1991	Holt et al.	514/176
5,137,882	8/1992	Holt et al.	514/182

[75] Inventor: **Randall K. Johnson**, Ardmore, Pa.

FOREIGN PATENT DOCUMENTS

0004949B1	4/1978	European Pat. Off.
200859	11/1986	European Pat. Off.
279010	8/1988	European Pat. Off.
0285383A2	10/1988	European Pat. Off.
414490A	2/1991	European Pat. Off.
414491A	2/1991	European Pat. Off.
9100733	1/1991	WIPO

[*] Notice: The term of this patent shall not extend beyond the expiration date of Pat. No. 5,300,294.

[21] Appl. No.: 452,765

OTHER PUBLICATIONS

[22] Filed: May 30, 1995

J. Natl Cancer Inst; 74(2) pp. 475-486 (1985).
The Urologic Clinics of North America; vol. 18. No. 1 pp. 93-98 (1991).
Progress in Cancer Research Therapy; vol. 31, No. 2 pp. 477-489 (1984).
J. Med. Chem.; vol. 33, No. 3, pp. 937-942 (1990).
J. Med. Chem.; vol. 33, No. 3, pp. 943-950 (1990).
J. Steroid Biochem; vol. 34, Nos. 1-6, pp. 571-575 (1989).
The Prostate; 18, pp. 215-227 (1991).
J. Steroid Biochem; 24, pp. 887-886 (1986).
Bio Chemistry; 28, pp. 140-148 (1989).
Endocrinology, 117 No. 2, pp. 571-579 (1985).
Academic Press, Inc, CH 8 V, pp. 269-304 (1984).

Related U.S. Application Data

[63] Continuation of Ser. No. 170,481, Dec. 20, 1993, Pat. No. 5,496,556.

[51] Int. Cl.⁶ A61F 2/02; A61K 9/20;
A61K 31/56; A61K 31/58

[52] U.S. Cl. 424/423; 424/451; 424/456;
424/464; 514/169; 514/172; 514/173; 514/177;
514/178; 514/179; 514/180; 514/181; 514/182;
514/319; 514/428; 514/462

[58] **Field of Search** 424/423, 451,
424/456, 464; 514/169, 172, 173, 177,
178, 179, 180, 181, 182, 319, 428, 462

Primary Examiner—Carlos Azpuru
Attorney, Agent, or Firm—Wayne J. Dustman; Charles M. Kinzig; Edward T. Lentz

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,882,319	11/1989	Holt et al.	514/119
4,910,226	3/1990	Holt et al.	514/319
4,937,237	6/1990	Holt et al.	514/75
4,946,834	8/1990	Holt et al.	514/135
4,970,205	11/1990	Holt et al.	514/173
5,017,568	5/1991	Holt et al.	514/173

[57] **ABSTRACT**

Invented is a Method of Treating Prostatic Adenocarcinoma
by employing asteroid 5- α -reductase inhibiting compound
or a combination of steroid 5- α -reductase inhibiting com-
pounds.

2 Claims, No Drawings